



**POLYCOAT
PRODUCTS**

A Division of American Polymers Corp.



Pedestrian Traffic Deck Systems

Fire-Rated Decks

ICC-Evaluated Deck Systems

Vehicular Traffic Deck Systems

Below-Grade Membranes



**Waterproofing
Division**

Unparalleled Formulations
Solutions-Oriented Support System
72-Hour Custom Turnarounds
Cutting-Edge VOC Compliance



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FAX: 562.921.7363



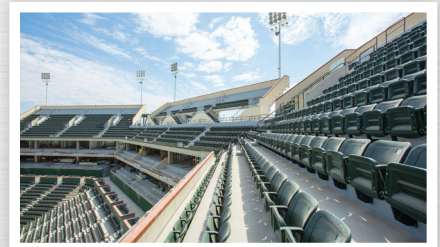
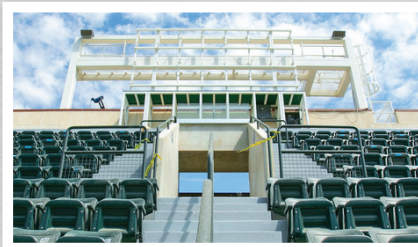
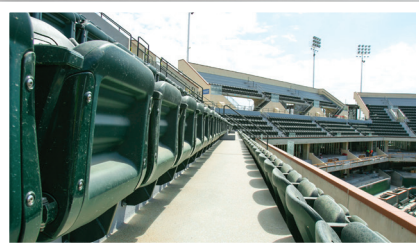
polycoatusa.com
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**CONSTRUCT WITH
CHEMISTRY**



Solution-Oriented Support System



Pedestrian Traffic Deck Systems

Polycoat Products' aesthetically pleasing pedestrian deck systems will meet your highest expectations while providing superior waterproofing as well as an economic advantage. Frequently specified systems are highlighted below from an extensive list of systems designed for specific needs.

Polydeck® 100 is the most economical choice for walking areas that require waterproofing.

Polydeck® 100SC is an economical, 44 dry mils, low odor waterproofing pedestrian traffic deck system.

Polydeck® 150/150SC is 52 dry mils of waterproofing protection utilizing an epoxy primer, one coat of aromatic polyurethane basecoat, an intermediate coat of aromatic polyurethane with aggregate, and one aliphatic polyurethane topcoat.

Polydeck® 160/160SC is a fast-setting system designed to limit downtime in areas where time is a premium. This user-friendly system utilizes Polycoat Products

PC-260 chemically-cured basecoat which can be applied to concrete, plywood, and metal. It can be applied at temperatures as low as 20°F and at any film thickness without "gassing." PC-260 is solvent-free with very low odor. It provides an excellent waterproofing barrier that can also be used for leveling existing surfaces.

Polydeck® 160MR/160MR-SC is a fluid applied, metal reinforced, polyurethane, pedestrian traffic deck systems.

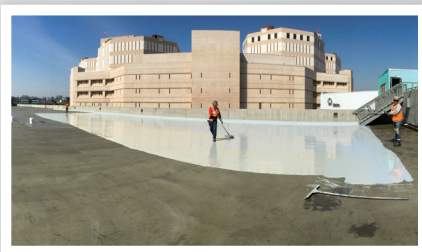
Polydeck® 165SC utilizes a fast setting water catalyzed polyurethane basecoat in this system.

Polydeck® 180/180SC is 68 dry mils of waterproofing protection utilizing an epoxy primer, two coats of aromatic polyurethane basecoat, one intermediate coat of an aromatic polyurethane with aggregate, and one aliphatic polyurethane topcoat.

Polydeck® 555 is a very fast setting, rapid curing, high solids, polyurethane/polyurea, liquid applied, chemically cured, rapid return-to-service waterproof coating system.



Cutting-Edge VOC Compliance



Vehicular Traffic Deck Systems

Whether the need revolves around protecting a brand-new parking structure or repairing and extending the service life of an existing parking surface, our vehicular systems will exceed your expectations. Each system is carefully formulated and designed to provide high durability and superior resistance for vehicular traffic and is backed by industry standard warranties when applied to specification.

Poly-I-Gard® 246 is ideal for vehicular traffic as well as for general use. It is a heavy-duty coating suitable for a wide range of applications from walkways to helicopter pads. The low-odor formulation makes underground and enclosed-area jobs easier on crews.

Poly-I-Gard® 246SC is a liquid applied, high solids, moisture cured, waterproof coating system with components that offer lower VOCs.

Poly-I-Gard® 295/295 OF is a rapid curing, low-odor traffic coating that minimizes downtime in areas where time is a premium.

Poly-I-Gard® 435/435SC is a 40 dry mils liquid-applied, high-solids, moisture-cured vehicular deck system that meets stringent ASTM C-957. It is the standard specification for high-solids content, cold liquid-applied elastomeric waterproofing membrane with integral wearing surface.

Poly-I-Gard® 575FC is a very fast setting, rapid curing, 100% solids, polyurethane/polyurea, liquid applied, chemically cured waterproof coating system.

POLYCOAT'S CHEMICAL EXPERTISE WILL HELP YOU



Storied Quality

Polycoat Products has emerged the industry leader in high-performance polyurethane, polyurea, and polyaspartic coatings over its nearly forty years of innovation in the lab. We welcome comparisons between our products with any in the field.

Our focus is not just simply manufacturing many products. We invest time and research in formulating cost-competitive solutions for your construction needs. Whether industrial, residential, or commercial applications, our products have a range of chemical and physical properties to accommodate project requirements. These extensive research developments yield specialized solutions. All raw materials and batches have numerous quality control checks through various points of production. All batches are sampled and retained for up to a year as we trust every batch manufactured is produced within our strict manufacturing guidelines. Our chemistry team's extensive research and development efforts provide solutions for any type of specialized application.

Unparalleled Formulations

Solution-Oriented Support System

Unprecedented Service

Customer satisfaction is central to our core mission of providing stellar service and dependable, premium products. Feel confident in the knowledge that the seasoned veterans who comprise our team understand the difference between board room plans and the realities out in the field. We have been known fly out to job sites to lend expertise and provide customer support in real time. Choose Polycoat Products and our team becomes yours.

Since we believe that chemistry is the key component of our products, our technical sales team is constantly collaborating and communicating with our in-house chemists. Together they approach any new trends in the industry with both chemical and field knowledge. Whatever obstacles may occur in the field, we have a team of professionals ready to provide solutions.

YOU CONFIDENTLY CONSTRUCT WITH CHEMISTRY

Product Innovations

Product formulations are carefully invented and tested to meet national and international stringent standards. Many of our coatings are single-bucket formulations, which reduces the potential for application errors on the job site. Providing user-friendly products is part of the planning when creating product innovations. VOC compliance is also an important component of every product manufactured. Variable VOC systems provide an edge in meeting standards that may be necessary on environmentally-friendly projects.

These innovations provide you cost-competitive and labor-saving solutions. We keep plenty of stock on-hand so that our custom formulations can reach you within 72-hours. With multiple manufacturing facilities, we can easily accommodate many clients and orders in tandem.

72-Hour Custom Turnarounds

Cutting-Edge VOC Compliance

State-of-the-Art Manufacturing

We have nearly 1,000,000 square feet of manufacturing and warehouse space across six chemical facilities in three strategic locations across the United States to store and manufacturing large volumes. We ship our premium products globally and welcome inquires for private label and toll-blending opportunities. Our coatings are found in world landmarks, stadiums, resorts, luxury residential living, and other high-profile projects.

Our Dallas, Texas facility alone houses 44 reactors with the ability to manufacture batch sizes that range from 50-6000 gallons. This manufacturing facility is also ISO 9001:2015 compliant, illustrating our commitment to producing consistently premium products.

Our future growth is projecting a 10 million gallon per year manufacturing capacity.





Unparalleled Formulations



Fire-Rated Decks

Polycoat Products offers “industry first” elastomeric deck coatings with Class A and Class B Fire Ratings. The fact that we received the International Code Council (ICC) approvals provides evidence of the superior quality of our systems and also our dedication to formulating high-quality materials with added safety. Also, our waterproofed decks are attractive and add value to your property.

ICC-Evaluated Deck Systems

Polydeck® 400 provides a Class A Fire Rating on 3/4” plywood. The system provides 70-96 dry mils and utilizes an epoxy primer, two coats of an aromatic polyurethane basecoat, and two coats of an aliphatic polyurethane topcoat.

Polydeck® 355 provides a Class B Fire Rating on 5/8” plywood. This system provides 49-68 dry mils and utilizes an epoxy or polyurethane primer, two coats of aromatic polyurethane basecoat, and two coats of aliphatic polyurethane topcoat.



INTERNATIONAL
CODE
COUNCIL®



72-Hour Custom Turnarounds



Below-Grade Membranes

Polycoat Products offers single-component, moisture-cured, two-component fast-curing and water-catalyzed waterproofing membranes with a variety of below-grade applications including retaining walls, foundation walls, planters, split slabs, green roofs, pedestal pavers, and more. We also offer waterproofing membranes that may be applied to green concrete, VOC-compliant, self-leveling, and non-sag grades. Polycoat is proud to offer 5-20 year warranties suited to the client's needs. Requirements and technical information are provided upon request by our waterproofing experts around the globe and by our home office.

While most manufacturers of polyurethane technology require 28 days of cure time for newly poured concrete prior to the application of their waterproofing membranes, Polycoat Products has developed the GC, or Green Concrete, additive. When combined with the GC Additive, the Aquaseal™ 5000 can be applied to newly poured concrete after 72 hours!

Polycoat® PC-IM 129 is a two-component, liquid-applied, asphalt-extended aromatic polyurethane that adheres to most substrates. It is ANSI/NSF-61 approved for potable water.

Aquaseal® 5000 is a single-component, liquid-applied, bitumen-modified urethane polyurea waterproofing membrane for vertical and horizontal surfaces that also meets the most stringent VOC compliance standards.

Aquaseal® 5000 WC/GC has a cure time of 2-4 hours. It can be applied at ANY thickness without sensitivity to gassing so that higher application rates can be achieved with minimal labor. This is the premier product of professionals for cutting labor costs and maintaining tight project schedules.

Polycoat-Aquatight™ is a specialized application of a polyurethane coating as a waterproof underlayment for ceramic tile.

Caulking Compounds

Polycoat Products caulking materials are 100% solids, odorless, and can be used in a variety of interior or exterior applications to fill joints, as well as repair cracks and spalled concrete. They also meet USDA criteria for incidental contact. Our caulking compounds are rapid-setting and capable of remaining flexible in cold temperatures.

Poly-Caulk® 82 is a two-component aromatic, 1:1 ratio, rapid setting, self-leveling, 100% solids polyurea caulking compound for interior and exterior horizontal application.

Poly-Caulk® HM is a hand-mixed, self-leveling, rapid-setting, modified polyurea material that can be applied without plural component equipment.

Poly-Caulk® PX27SL and PX27GG are conventional polyurethane caulking materials available in self-leveling and gun-grade formulations.

Polyurea

Polyurea coatings are the most versatile coating that we offer. Nearly forty years of strong leadership, pioneering technology, and innovation have resulted in some of the most specialized polyurea coating applications in the world. We manufacture a wide variety of proprietary

single and plural-component aromatic and aliphatic polyurea products in complete coatings systems to protect and waterproof many different types of substrates, from harsh chemical environments to extreme weather conditions.

Polyeuro® Series

The Polyeuro® Series consists of 100% solids, fast-setting aliphatic, aromatic, and hybrid systems which can be applied using either high or low pressure plural component spray machines. Systems have been extensively used in various industrial, marine, mining, and commercial applications such as tank linings, secondary containment, floors, and in sports stadiums.

The Polyeuro™ Series has been successful in various environments and geographical locations; from Alaska's North Slopes to Hawaii's tropical weather; from mines in South America to industrial plants in the Middle East; and to many other parts of the world including Australia, New Zealand, Southeast Asia, and Europe.

Polyaspartics Staingard® Series

The Staingard® Series embodies the properties of polyaspartic technology, meeting today's demands for superior color and gloss retention, as well as durability against weather and abrasion resistance. This product, with its highly flexible properties, is perfect for concrete applications. It can be used to encapsulate vinyl chip

and color quartz systems and is a favorite in the garage floor market. It is also widely accepted in hospitals, mechanical rooms, laboratories, warehouses, and just about any other area that requires a rapid-curing, low-odor, quality system of topcoat.

Other Products Manufactured by Polycoat Products

Epoxy Coatings • Polyurethane Spray Foam • Industrial Coatings • TDI & MDI Cast Elastomers • Themecoats • Tire Flatproofing

Toll Manufacturing Available • Private Label Account inquiries are welcomed • Seeking Experienced Independent Representatives Globally



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PRODUCTS**

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**POLYCOAT
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Below Grade & Vapor Barrier Systems

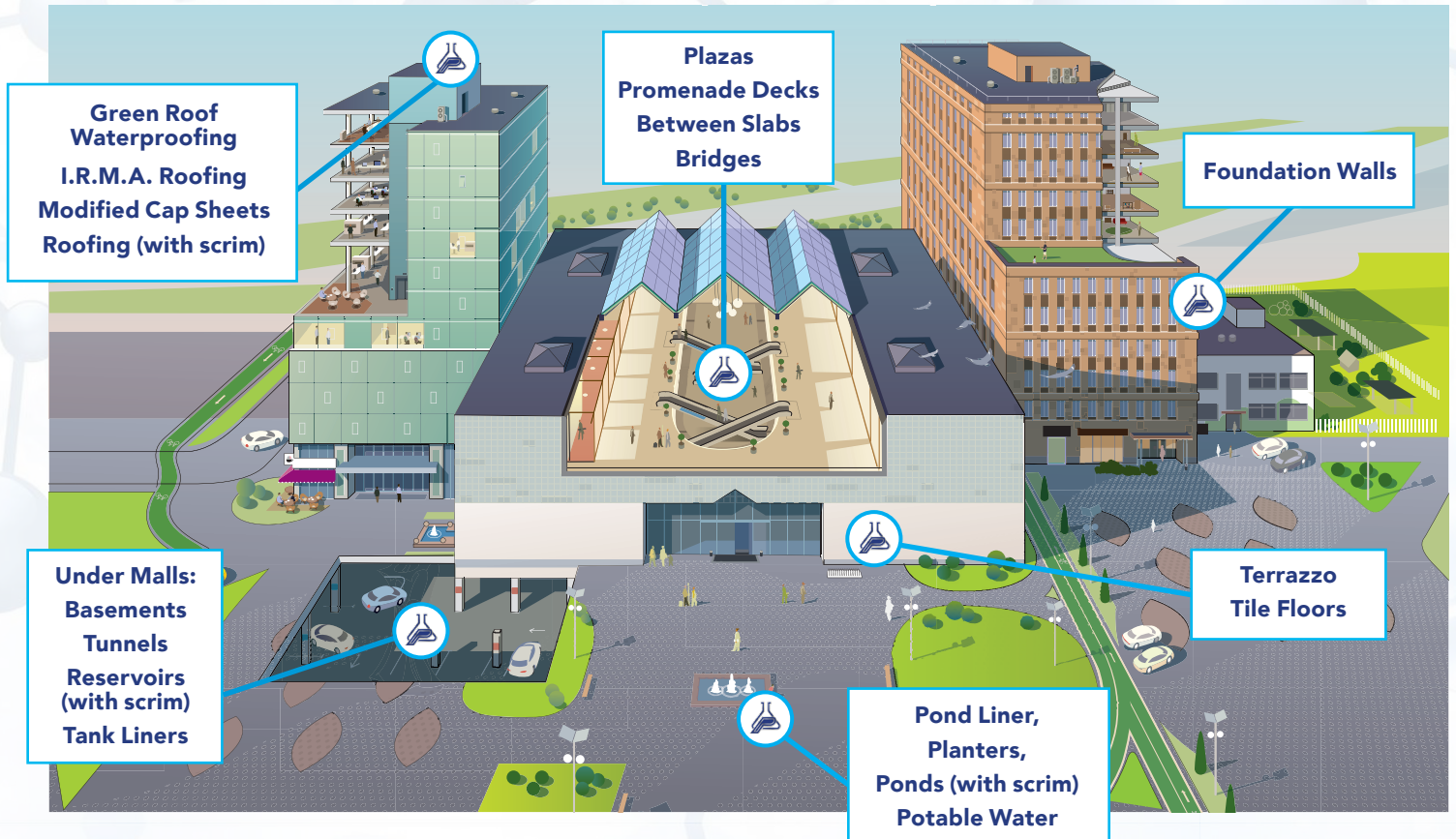
Polyurethane Waterproofing Membranes | Spray-Applied Polyureas
Accelerated Cure Times | VOC-Compliant | Vertical & Horizontal Grades

**FORMULATING
SOLUTIONS**



Possible applications for Below Grade Membrane & Vapor Barrier Systems

(Please refer to individual technical data sheets for product specific applications)



Below Grade Membrane & Vapor Barrier Systems

Our below grade membranes are economical and user friendly. They are liquid and spray applied, and available in Vertical / Horizontal grades. Typical applications include under tile / pavers, foundations, split slabs, planters, bridges, tunnels.

Polycoat-PC-IM 129 is a two-component, liquid-applied, asphalt-extended polyurethane waterproofing membrane that adheres to most substrates. It is ANSI/NSF-61 approved for potable water.

Polycoat-Aquatight is a high solids, polyurethane waterproofing membrane for application underneath thin-set and tile.

Polycoat-Polyeuro 5502 is a fast setting, rapid curing, 100% solids, flexible, aromatic, two-component spray-applied polyurea that can be applied to concrete, metal, and plywood surfaces. It may be applied as a waterproofing membrane in applications similar to those in which the Aquaseal series of waterproofing membranes are utilized.

Aquaseal® 5000 is a single-component, liquid-applied, bitumen-modified polyurethane waterproofing membrane for vertical and horizontal surfaces that also meets the most stringent VOC compliance standards.

Aquaseal® 5000WC is a single-component, liquid-applied, coal tar-free polyurethane waterproofing membrane that has a fast cure time. When water is added to the membrane, the cure time is accelerated. It can be applied at ANY thickness without sensitivity to gassing and blistering so that thicker mil application rates can be achieved reducing move-ins and labor costs. This is the premier product of professionals for cutting labor costs and maintaining tight project schedules.



Polycoat-Aquaseal® 5000

Technical Data (Based on Draw Down Film) Polycoat-Aquaseal® 5000 Properties

	5000H HORIZONTAL	5000V VERTICAL	5000GCH HORIZONTAL	5000GCV VERTICAL
Hardness, ASTM D2240	50 ± 5 Shore A	45 ± 5 Shore A	50 ± 5 Shore A	45 ± 5 Shore A
Tear Resistance, Die C, ASTM D624	70 ± 20 pli 12.2 ± 3.5 kN/m	100 ± 20 pli 17.5 ± 3.5 kN/m	70 ± 20 pli 12.2 ± 3.5 kN/m	100 ± 20 pli 17.5 ± 3.5 kN/m
Tensile Strength, ASTM D412	450 ± 50 psi 3.1 ± 0.3 MPa	500 ± 50 psi 3.4 ± 0.3 MPa	450 ± 50 psi 3.1 ± 0.3 MPa	500 ± 50 psi 3.4 ± 0.3 MPa
Ultimate Elongation, ASTM D412	500 ± 50%	500 ± 50%	450 ± 50%	450 ± 50%
Specific Gravity	1.28 ± 0.1	1.20 ± 0.3	1.28 ± 0.1	1.20 ± 0.1
Total Solids by Weight, ASTM D2369	95 ± 3%	91 ± 3%	95 ± 3%	91 ± 3%
Total Solids by Volume, ASTM D2697	94 ± 3%	89 ± 3%	94 ± 3%	89 ± 3%
Viscosity at 80°F (27°C)	5000 ± 2000 cps	40,000 ± 20,000 cps	5000 ± 2000 cps	40,000 ± 20,000 cps
Volatile Organic Compounds, ASTM D2369-81	0.83 lb/gal, 100 gm/liter	0.83 lb/gal, 100 gm/liter	0.83 lb/gal, 100 gm/liter	0.83 lb/gal, 100 gm/liter
Service Temperature	-25°F to 150°F -31.7°C to 65°C	-25°F to 150°F -31.7°C to 65°C	-25°F to 150°F -31.7°C to 65°C	-25°F to 150°F -31.7°C to 65°C



Polycoat-Aquaseal® 5000 WC/GC

Technical Data (Based on Draw Down Film) Polycoat-Aquaseal® 5000 WC/GC Properties

	AQUASEAL 5000WC	AQUASEAL 5000 WC/GC-H	AQUASEAL 5000 WC/GC-V	AQUASEAL 5000 WC/GC-SG
Hardness, ASTM D2240	30 ± 5 Shore A	30 ± 5 Shore A	30 ± 5 Shore A	30 ± 5 Shore A
Tear Resistance, Die C, ASTM D624	70 ± 20 pli 12.2 ± 3.5 kN/m	80 ± 15 pli 14 ± 2.6 kN/m	100 ± 15 pli 17.5 ± 2.6 kN/m	100 ± 20 pli 17.5 ± 2.6 kN/m
Tensile Strength, ASTM D412	350 ± 50 psi 2.41 ± 0.3 MPa	350 ± 50 psi 2.41 ± 0.3 MPa	350 ± 50 psi 2.41 ± 0.3 MPa	350 ± 50 psi 2.41 ± 0.3 MPa
Ultimate Elongation, ASTM D412	500 ± 50%	550 ± 50%	550 ± 50%	550 ± 50%
Specific Gravity	1.20 ± 0.3	1.20 ± 0.3	1.19 ± 0.3	1.18 ± 0.3
Total Solids by Weight, ASTM D2369	95 ± 3%	96 ± 3%	96 ± 3%	89 ± 3%
Total Solids by Volume, ASTM D2697	94 ± 3%	95 ± 3%	95 ± 3%	88 ± 3%
Viscosity at 80°F (27°C)	3000 ± 1500 cps	3500 ± 1000 cps	30,000 ± 5000 cps	17,000 ± 5000 cps
Volatile Organic Compounds, ASTM D2369-81	<0.42 lb/gal, <50 gm/liter	<0.42 lb/gal, <50 gm/liter	<0.42 lb/gal, <50 gm/liter	<0.83 lb/gal, <100 gm/liter
Service Temperature	-25°F to 150°F -31.7°C to 65°C	-25°F to 150°F -31.7°C to 65°C	-25°F to 150°F -31.7°C to 65°C	-25°F to 150°F -31.7°C to 65°C

Formulating Innovations: State-of-the-Art Manufacturing

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Formulating Advantages: Product Advancements



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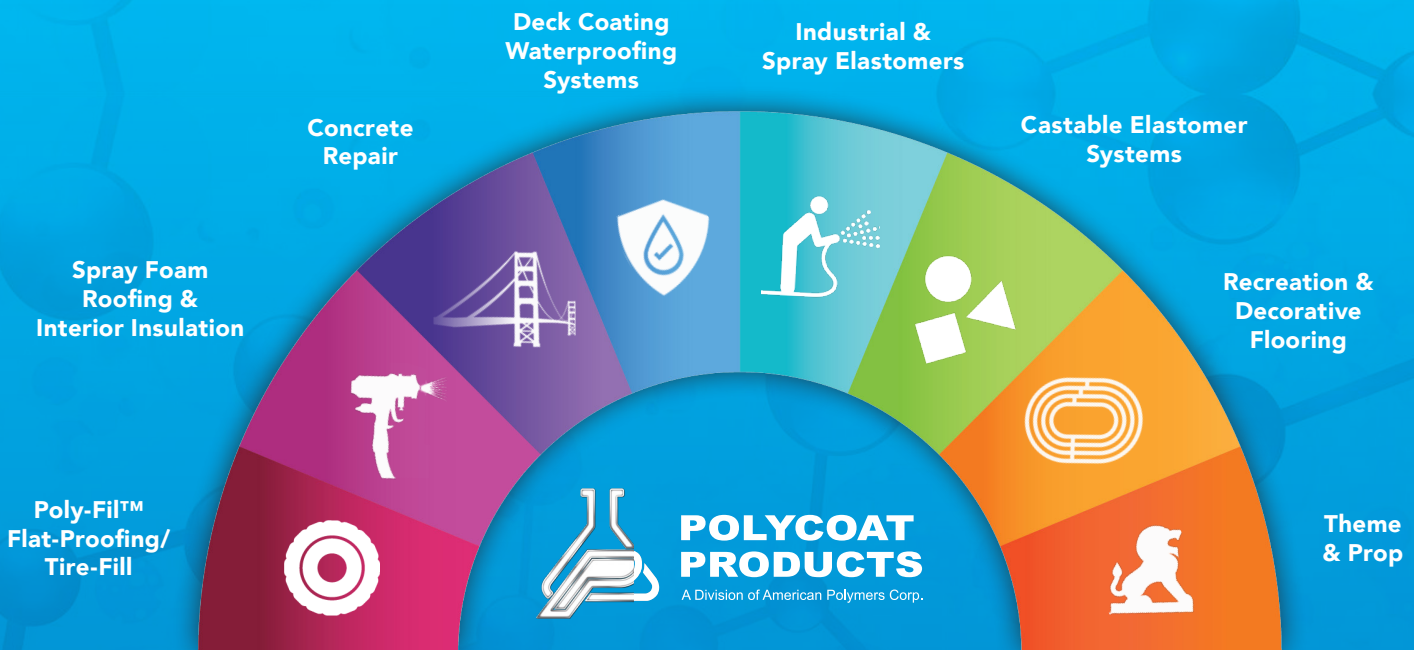
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Other Product Technologies Manufactured by Polycoat Products



Select systems are:



INTERNATIONAL CODE COUNCIL®



Contact Us



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FORMULATING SOLUTIONS

Toll Manufacturing Available | Private Lab Account Inquiries are Welcome | Seeking Experienced Independent Representatives Globally



**POLYCOAT
PRODUCTS**

A Division of American Polymers Corp.

Prepolymers

Specialty Curatives

**Rigid and Flexible
Castable Foam Systems**

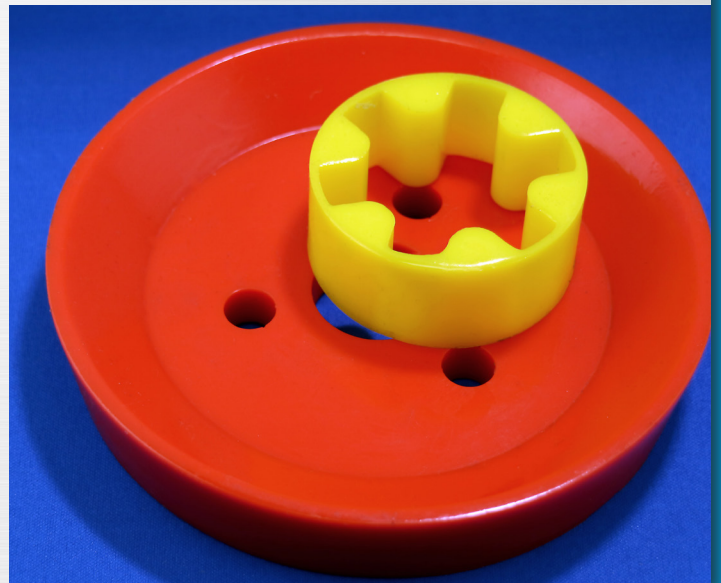


**Castable Elastomer
Systems Division**

**Low Temperature
Castable Systems**

**Room Temperature
Castable Systems**

**High Durometer
Castable Systems**



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**CONSTRUCT WITH
CHEMISTRY**

POURABLE FOAMS

Polycoat Products carries a large variety of flexible, semi-rigid and rigid castable foams for a variety of applications. Our talented team of chemists are able to formulate foams to meet your exact processing needs and specifications.

Flexible Foams

Polycoat Products flexible foams are available anywhere between three pounds and twenty pounds per cubic foot. These foams are generally use water or pentane as a blowing agent depending on customer application. These are popular for furniture seat cushioning, automotive and motorcycle seats and a variety of other applications.



Semi-Rigid Foams

Polycoat Products offers a wide variety of semi-rigid foams that are used in applications where extra stiffness is needed as opposed to flexible foams. Mostly water blown, These materials range between 0.5 to 10 pounds per cubic foot and are used for packaging, movie set and prop design, etc.



Rigid Foams

Polycoat Products offers a wide variety of rigid foams, very stiff foams ranging from 3 to 30 pounds per cubic foot. These foams use mostly water or Solstice LBA as a blowing agent and can be used in applications that require a rigid structure, such as doors, furniture, structure floats etc.

Density (Lbs/cubic ft.)	Cream Time (Seconds)	Rise Time (Seconds)	Attributes	Type
11-13	60	140	Self sealing when punctured, Can be handbatched	Semi-rigid
3.7-4.0	40-45	150	50/50 ratio ASTM E-84 Flame Certified	Rigid
2.2	10	30	No Ozone depleting chemicals, 15% renewable	Rigid



HIGH PERFORMANCE PREPOLYMERS

Polycoat Products manufactures an extensive array of both MDI and TDI prepolymers (i.e. Ethers, Esters, PTMEGs and PPGs). These include polyester, polyether, and aliphatic systems that range from 30A-75D on the durometer hardness scale. Our chemists pride themselves in their ability to not only adjust current products but also develop new ones to meet specific customer physical and processing specifications.

Wet Food Approved

Polycoat Products also offers a variety of FDA approved products, both in MDI polyether and MDI polyester, that are available between 60-90A. Among these includes a full line of Potable water certified resins that range from 85-95A.

Specialty Curatives

Polycoat Products offers a large variety of polyol and multifunctional curative blends for various low durometer applications, as well as your standard Curatives such as MBCA (Moca) Ethacure 300™ or 1,4 Butanediol. Ask your local sales representative for more information!

High Durometer Castable Systems

Polycoat Products also offer a variety of TDI/Polyether Prepolymers that are available in hardnesses up to 80D and 85D.

Specialty Systems

Polycoat Products offers H12MDI Aliphatic systems which show great light stability options as well as Polycaperlactones for resistance to water, oil, solvent, and chlorine.



EXPERTISE WILL HELP YOU CONFIDENTLY CONSTR

PC-FLEX SERIES

Polycoat Products new line of 1-1 TDI Room Temperature product ranges from 10A to 80A and can be processed and cured at ambient room temperatures. High Physical Properties make this new material durable and reliable. Long cure times help keep shrink to a minimum coupled with extended gel times for larger applications; these demold times can easily be increased by heating molds to fit your needs.

Technical Data

	Color	Hardness, Shore A, ASTM D2240	Resilience, % Rebound, ASTM D2632	Tear Strength, Die C, ASTM D624	Tensile Strength, ASTM D412	Elongation at Break, % ASTM D412	Mix ratio by volume A:B	Mix ratio by weight A:B	Side-A & B temperature	Mold temperature	Gel time* @ 80°F (27°C)	Cure time @ 80°F (27°C)
PC-Flex 10A	Yellow	10 ± 2	35	30 ± 10 pli	150 ± 50 psi	1000 ± 200	1:1	102:100	80 °F (27 °C)	80 °F (27 °C)	30 ± 5 mins	48 hrs
PC-Flex 20A	Orange	20 ± 2	44	70 ± 10 pli	400 ± 50 psi	1000 ± 200	1:1	104:100	80 °F (27 °C)	80 °F (27 °C)	30 ± 5 mins	48 hrs
PC-Flex 30A	Green	30 ± 2	46	65 ± 10 pli	600 ± 100 psi	1000 ± 200	1:1	104:100	80 °F (27 °C)	80 °F (27 °C)	25 ± 5 mins	24 hrs
PC-Flex 40A	Tan	40 ± 2	41	80 ± 10 pli	650 ± 100 psi	500 ± 100	1:1	103:100	80 °F (27 °C)	80 °F (27 °C)	25 ± 5 mins	24 hrs
PC-Flex 50A	Red	50 ± 2	48	100 ± 10 pli	900 ± 100 psi	550 ± 100	1:1	103:100	80 °F (27 °C)	80 °F (27 °C)	45 ± 5 mins	24 hrs
PC-Flex 60A	Blue	60 ± 2	48	140 ± 25 pli	1200 ± 200 psi	550 ± 100	1:1	103:100	80 °F (27 °C)	80 °F (27 °C)	60 ± 10 mins	24 hrs
PC-Flex 70A	Brown	70 ± 2	48	150 ± 25 pli	1100 ± 200 psi	550 ± 100	1:1	103:100	80 °F (27 °C)	80 °F (27 °C)	25 ± 5 mins	24 hrs
PC-Flex 80A	Black	80 ± 2	43	150 ± 25 pli	1000 ± 200 psi	500 ± 100	1:1	102:100	80 °F (27 °C)	80 °F (27 °C)	15 ± 5 mins	24 hrs

*Variety of gel times available



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ROOM TEMPERATURE CAST ELASTOMERS

Polycoat Products also manufactures a wide variety of room temperature products that can be processed at 75-85°F and range from 40A to 75D. These materials do not require post cure heat, allowing for simpler and faster processing times. Many of these products can be mixed by hand and/or processed through a variety of machines.

Custom Formulations

Polycoat Products has formulated numerous patented polyurethane systems, with over a thousand proprietary formulations. We can also custom blend systems to meet your specific needs and processing parameters. Polycoat Products prides itself on our R&D capabilities.

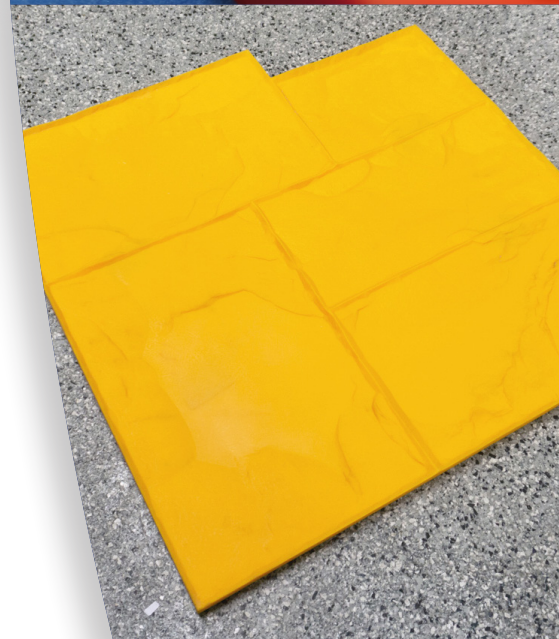
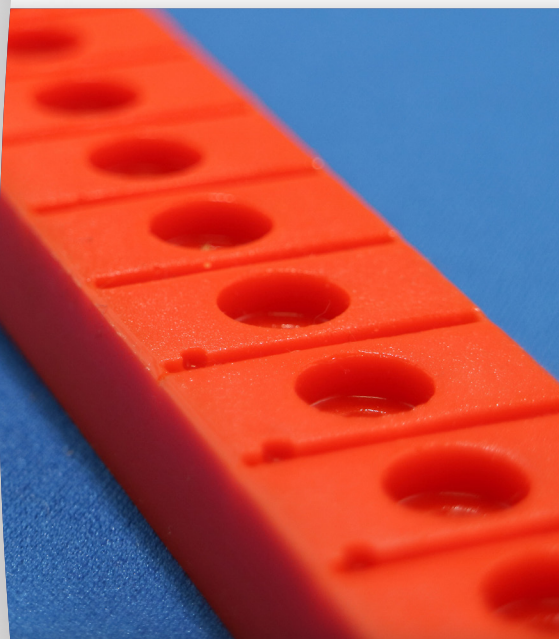
Spray Elastomers

Polycoat Products also offers a wide variety of spray elastomers and foams, please contact your local sales Representative for more information.



**POLYCOAT
PRODUCTS**

A Division of American Polymers Corp.



Storied Quality

Polycoat Products has emerged the industry leader in high-performance castable polyurethane elastomers and prepolymers over nearly forty years of innovation in the lab. We specialize in providing high quality products with the quality hallmark of ISO 9001:2015 for our demanding customer base in a variety of industries.

Our focus is not just manufacturing many products. We invest time and research in formulating cost-competitive solutions for your construction needs. Whether industrial, residential, or commercial applications, our products have a range of chemical and physical properties to accommodate project requirements. Our chemistry team's extensive research and development efforts provide solutions for any type of specialized application.

State-of-the-Art Manufacturing

Nearly forty years of strong leadership, pioneering technology, and innovation have resulted in some of the most specialized polyurea coating applications and foam sprayable systems. We have nearly 1,000,000 square feet of manufacturing and warehousing space across six chemical facilities in three strategic locations across the United States to manufacture and warehouse large volumes. We ship our premium products globally and welcome inquiries for private label and toll-blending opportunities. Our coatings are found in world landmarks, stadiums, resorts, luxury residential living, and other high-profile projects.

Other Products Manufactured by Polycoat Products

Liquid Applied Deck Coatings • Epoxy Coatings • Polyurethane Spray Foam • Industrial Coatings • Themecoats • Tire Flatproofing

Toll Manufacturing Available • Private Label Account Inquiries are Welcome • Seeking Experienced Independent Representatives Globally

CONSTRUCT WITH CHEMISTRY™



ISO 9001
CERTIFIED COMPANY

 **PRI Registrar**
PERFORMANCE REVIEW INSTITUTE



**POLYCOAT
PRODUCTS**

A Division of American Polymers Corp.

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**POLYCOAT
PRODUCTS**

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Polyurea & Spray Elastomers

Aromatic Polyurea | Aliphatic Polyurea | High or Low Pressure Hybrid
Polyurea Caulk | Polyurethanes | Pure Polyurea | Specialty Polyureas

**FORMULATING
SOLUTIONS**





Specialty Polyurea

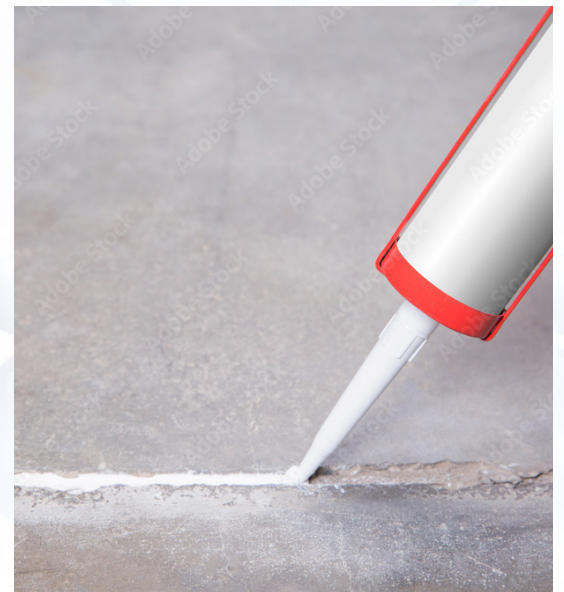
They offer exceptional performance in tensile strength, high-tear, high-chemical and impact resistance in severely demanding applications against abrasion. The TuffShield™ series offers 100% solids, flexible, two component, high-performance spray elastomers.

Product	Tensile (psi)	Elongation (%)	Tear (pli)	Hardness (Shore)
Enviroshield® 1005	4200 ± 300	300 ± 50	400 ± 50	
Polyeuro® 8245	2000 ± 200	80 ± 20	300 ± 50	50 ± 5 Shore D
Polyliner 700				80 ± 5 Shore D
TuffShield™ 801	3800 ± 300	375 ± 50	425 ± 50	50 ± 5 Shore D
TuffShield™ II HAR	3200 ± 300	275 ± 50	350 ± 50	42 ± 5 Shore D
PipeShield™ HAR	4500 ± 500	5 ± 2	300 ± 50	77 ± 3 Shore D

Caulking Compounds

Poly-Caulk® series offers polyurea polyurethane, plural-component caulking material for use on interior/exterior concrete surfaces to repair random cracks and control joints. It offers application specific products in areas where down time is limited.

Product	Tensile (psi)	Elongation (%)	Tear (pli)	Hardness (Shore)
Poly-Caulk® 82	1500 ± 200	300 ± 50	275 ± 50	80 ± 5 Shore A
Poly-Caulk® HM	2000 ± 200	600 ± 50	425 ± 50	80 ± 5 Shore A
Poly-Caulk® JF-75	600 ± 50	240 ± 50	400 ± 50	75 ± 5 Shore A
Poly-Caulk® JF-85	800 ± 50	240 ± 50	400 ± 5	80 ± 5 Shore A
Poly-Caulk® JS-45	325 ± 50	425 ± 50	80 ± 10	45 ± 3 Shore A
Poly-Caulk® JS-60	800 ± 50	500 ± 50	200 ± 10	60 ± 5 Shore A
Poly-Caulk® PX27GG	300 ± 50	500 ± 50	50 ± 5	40 ± 5 Shore A
Poly-Caulk® PX27SL	300 ± 50	800 ± 50	50 ± 5	30 ± 5 Shore A



Polycoat offers quick setting, 100% pure aromatic and aliphatic polyureas that can be applied to suitably-prepared concrete and metal surfaces. The Polyeuro® 5000 series is aromatic and non-color stable, whereas the Polyeuro® 7000 series is aliphatic and color stable. These coatings can be applied in single or multiple applications and are less sensitive to moisture and temperature, allowing applications at lower temperatures. Polycoat has various polyurea products that offer a wide range of physical properties to help meet the application parameters of different industries.

Aliphatic Polyurea

These polyurea products have a high degree of color stability upon UV exposure. In addition, they offer exceptional physical properties which add durability and flexibility to the coating.

Product	Tensile (psi)	Elongation (%)	Tear (pli)	Hardness (Shore)
Polyeuro® 7502	3300 ± 200	300 ± 50	400 ± 50	50 ± 5 Shore D
Polyeuro® 7851	1600 ± 200	350 ± 50	300 ± 50	85 ± 5 Shore A
Polyeuro® 7901	3200 ± 200	450 ± 50	325 ± 50	90 ± 5 Shore A



Aromatic Polyurea

These polyurea products are functionally unchanged with UV exposure, but may be susceptible to discoloration due to aromatic properties. Polyeuro® 5502-18PW is approved as a potable water lining as per ANSI/ NSF 61 Standard. Polyeuro® 5502-F, 5502-FG (Food Grade), 5602 are a fast setting, rapid curing, 100% solids, and flexible.

Product	Tensile (psi)	Elongation (%)	Tear (pli)	Hardness (Shore)
Polyeuro® 5502	3000 ± 200	400 ± 50	450 ± 50	50 ± 5 Shore D
Polyeuro® 5502-18PW	3000 ± 200	400 ± 50	450 ± 50	50 ± 5 Shore D
Polyeuro® 5502 F	3000 ± 200	375 ± 50	450 ± 50	50 ± 5 Shore D
Polyeuro® 5502 FG	3500 ± 200	400 ± 50	450 ± 50	50 ± 5 Shore D
Polyeuro® 5602	3000 ± 200	275 ± 50	450 ± 50	60 ± 5 Shore D
Polyeuro® 5851	3500 ± 200	350 ± 50	400 ± 50	85 ± 5 Shore A
Polyeuro® 5901	2500 ± 200	400 ± 50	400 ± 50	90 ± 5 Shore A
Polyeuro® 5901-F	2500 ± 200	400 ± 50	400 ± 50	90 ± 5 Shore A
Polyeuro® 6881	1900 ± 150	375 ± 25	300 ± 25	90 ± 5 Shore A



Polyaspartic Polyurea

Polycoat Staingard is a series of products offering the benefits of polyaspartic-polyurea technology. These coatings have properties that include superior color and gloss retention, with low VOCs and odor.

Product	Tensile (psi)	Elongation (%)	Tear (pli)	Hardness (Shore)
Polycoat Staingard 7000 (Pigmented)	3000 ± 200	50 ± 10	400 ± 20	65 ± 5 Shore D
Polycoat Staingard 7000 (Clear)	3000 ± 200	70 ± 10	450 ± 50	65 ± 5 Shore D
Polycoat Staingard 7072 (Pigmented)	3500 ± 300	50 ± 20	400 ± 20	65 ± 5 Shore D
Polycoat Staingard 7072 (Clear)	3500 ± 300	70 ± 20	400 ± 50	65 ± 5 Shore D
Polycoat Staingard 7072SC (Pigmented)	3500 ± 300	50 ± 20	400 ± 20	65 ± 5 Shore D
Polycoat Staingard 7072SC (Clear)	3500 ± 300	50 ± 10	400 ± 50	65 ± 5 Shore D
Polycoat Staingard 8072SC (Clear)	3500 ± 300	50 ± 10	400 ± 20	65 ± 5 Shore D
Polycoat Staingard 9072SC (Clear)	3500 ± 300	50 ± 10	400 ± 30	70 ± 5 Shore D



High Pressure Hybrids

The Polyureo[®] MPL family is a two component, 1:1 ratio, fast-set gel, modified-polyurea liner system for general purpose on metal, concrete, fiber-glass and wood surfaces. Polyureo[®] MPL-85 ALU is a specially tinted elastomer for roofing application as a good reflective topcoat.

Product	Tensile (psi)	Elongation (%)	Tear (pli)	Hardness (Shore)
Polyureo [®] MPL-11	2700 ± 200	225 ± 20	400 ± 50	50 ± 5 Shore D
Polyureo [®] MPL-11 FR	1600 ± 200	45 ± 20	350 ± 50	50 ± 5 Shore D
Polyureo [®] MPL-80	2000 ± 300	300 ± 25	300 ± 50	80 ± 5 Shore A
Polyureo [®] MPL-85 ALU	2500 ± 200	300 ± 20	225 ± 25	85 ± 5 Shore A
Polyureo [®] MPL-90	4500 ± 500	325 ± 50	300 ± 50	90 ± 5 Shore A
Polyureo [®] MPL-501	2800 ± 200	200 ± 20	400 ± 50	55 ± 5 Shore D
Polyureo [®] MPL-558	2800 ± 200	200 ± 20	400 ± 50	55 ± 5 Shore D



Low Pressure Hybrids

Polyeuro® LP series is a low pressure, hybrid polyurea system for general purpose use in waterproofing and maintenance applications.

Product	Tensile (psi)	Elongation (%)	Tear (pli)	Hardness (Shore)
Polyeuro® LP-11	2000 ± 300	250 ± 50	175 ± 25	90 ± 3 Shore A
Polyeuro® LP-12	1300 ± 200	200 ± 50	175 ± 25	90 ± 3 Shore A



Polyurethane Spray Coatings

Polyurethane spray coatings are typically used as a coating or liner in water tanks, secondary containment and waste-water management applications. Polyeuro® 1050H is ANSI / NSF-61 approved for direct contact with potable water. PipePro Ultra is a direct to metal, quick set, two component, 100% solids polyurethane designed to protect pipelines from corrosion and abrasion.

Product	Tensile (psi)	Elongation (%)	Tear (pli)	Hardness (Shore)
PipePro Ultra	5000 ± 500	5 ± 2	450 ± 50	80 ± 3 Shore D
Polyeuro® 1050H	2800 ± 200	25 ± 10	400 ± 50	65 ± 5 Shore D

Theme and Prop

These series of hybrid polyurea-polyurethane elastomeric coatings offer unique coatings with an impact resistant shell that is spray applied to add a durable, abrasion-resistant finish to most lightweight foams, expanded polystyrene, and most other lightweight substrates.

Product	Tensile (psi)	Elongation (%)	Tear (pli)	Hardness (Shore)
Polyeuro® MH-651FR	3000 ± 300	75 ± 15	350 ± 50	65 ± 5 Shore D
Polyeuro® MH-751FR	3600 ± 300	30 ± 5	575 ± 50	75 ± 5 Shore D
Polyeuro® MH-752	3700 ± 200	30 ± 10	450 ± 50	75 ± 5 Shore D
Polyeuro® MH-752HH	4000 ± 200	15 ± 5	450 ± 50	75 ± 5 Shore D
Polyeuro® MH-872	4500 ± 200	10 ± 5	500 ± 50	85 ± 3 Shore D



Industrial Coating and Spray Elastomer Product Technologies and Industries We Serve

Solutions Start with Quality Chemistry

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Product Technologies

Low / High Pressure Hybrids

Caulking Compounds

Primer

Therm & Prop

Polyaspartic Polyurea

Polyurethane Spray Coatings

Pure Polyurea

Specialty Coatings

Construction

Mining Process Systems & Facilities

Containment Liners for Protection

Oil & Gas Industry

Markets We Serve

Defense

Marine Environments & Water Systems

Industrial & Commercial Sectors

Infrastructure & Transportation

Unprecedented Service

Across the United States, Polycoat Products' warehouses offer over 1,000,000 square feet of manufacturing space. We stock products so that our specialized formulations can reach you within 72 hours of ordering. Rest assured - our seasoned veterans constantly work in conjunction with your chemical engineers in the lab to provide solutions out in the field.

Other Products Manufactured by Polycoat Products

Epoxy Coatings

Theming Systems

Polyurethane Spray Foam

Tire Flatproofing

Waterproofing

Recreational Coatings

TDI & MDI Cast Elastomers

Select systems are:



Toll Manufacturing Available | Private Lab Account Inquiries are Welcome | Seeking Experienced Independent Representatives Globally

Contact Us



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